Info-Hams Digest   Mon, 15 Mar 93   Volume 93 : Issue 320

Today's Topics:
                     200km range radio phone?
                   75 Ohm Hardline, How to Use?
         Alinco DJ580-T battery life(a real world example)
               AOR 3000 Performance as SW Receiver?
                   AOR AR1000 -- A Question
                 APT-Sats: Status MAR 13, 1993
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                     KA9Q source thanks
    KMTRM120.ZIP - KAMterm: Host Mode prog. for Kantronics TNCs
               License delays (another data point)
                 Newbie question: what's iambic?
                     QRP Groups (2 msgs)
                       QSL Help Needed
                 QUICK.. send me your TH78 mods
                 Slow scan TV on a Commodore 64
                 TH-26AT vs. HTX-202 recommendations
                   When is the Dayton Hamvention?

To: info-hams@ucsd.edu

What about GMRS repeaters for autopatch? There shouldn't be any content
restrictions. Ofcourse this wouldn't do the person in Italy much good as
far as licensing goes.

Date: 15 Mar 93 00:56:43 GMT
From: news-mail-gateway@ucsd.edu
Subject: 75 Ohm Hardline, How to Use?
To: info-hams@ucsd.edu

There are several choices to make use of hardline from a CATV
outlet.

First, Ham Radio Magazine, Jun 89, page 63 shows how to make your
own transformers. If you have someone handy at construction, might
be worth a look at.

Second, W8ZD does indeed make hardline matching transformers.
Each adapater consists of an appropriate connector and a quarter
wave matching section which connects on the end of the hardlines.
W8ZD says typical attenuation for 1/2 CATV using his connectors
is .90 DB at 150 Mhz 1.11 at 220 and 1.57 at 450.

Third, like one of the ARRL staff engineers said last time this
subject came up, dont worry about it, take the loss which is
small enough (comparing 75 to 50 ohm hardline to rig connections).

jd

Date: Mon, 15 Mar 1993 08:30:55 GMT
From: usc!howland.reston.ans.net!bogus.sura.net!darwin.sura.net!rouge!
jab0684@network.UCSD.EDU
Subject: Alinco DJ580-T battery life(a real world example)
To: info-hams@ucsd.edu

With all of the discussion of ht's I thought I'd relate my experience with my
DJ580-T using the standard 7.2v,700mah battery. The starting voltage of my
battery was about 8.45(the highest it would charge too). The radio was set
to have the VHF vfo on only and for a simplex frequency of 147.90 mhz.
I used an ems-8 speaker microphone, and transmitter power was set to Medium(1
watt.
The radio was used at the Lafayette Hamfest(I'm a member of the hosting club),
to keep club members in touch and run the hamfest. I did about an average

amount of talking, although I didn't measure the exact amount of time.
I'd guess my talk time was comparable to what a cop would do working the
same hours, thus there was no excess chit chat. With the exception of
one brief UHF phone patch(at one watt also), the uhf vfo was powered down
for the duration. The rig was operated for about 2-3 hours on friday (for
setting up the hamfest, btw no talking was done here but both vfo's powered on)
Another note the battery save was on the entire time all 3 days. Saturday
the rig ran from 6:30 am to about 4:45 pm. The rig ran from about 8:45 am
to 12:00 pm on Sunday(at which time the battery low alarm went off, meaning
it was effectively dead. So that comes out to about 15 hours of moderate
usage.

How this helps someone considering the rig. Which by the way I have had
for about 8 months, and I love it.

73 DE kb5udf

kb5udf@ucs.usl.edu
t

Date: Sun, 14 Mar 1993 21:12:39 GMT
From: usc!zaphod.mps.ohio-state.edu!uwm.edu!linac!att!news.cs.indiana.edu!umn.edu!
csus.edu!netcom.com!feustel@network.UCSD.EDU
Subject: AOR 3000 Performance as SW Receiver?
To: info-hams@ucsd.edu

I'm thinking about getting an ACE AOR 3000. I expect it works
reasonably well as a VHF/UHF scanner (correct me if I'm wrong),
but I don't have any idea how well it works as a HF receiver.
I also wonder about how useful the computer software for this radio
is. I would appreciate comments from anyone who has experience with
this radio. Thanks.
--
Dave Feustel N9MYI <feustel@netcom.com>

    Microsoft - Software's Evil Empire.

Date: Mon, 15 Mar 1993 03:05:45 GMT
From: usc!howland.reston.ans.net!gatech!news_feed_1.peachnet.edu!pirates!
mark@network.UCSD.EDU
Subject: AOR AR1000 -- A Question
To: info-hams@ucsd.edu

I was given an AOR AR1000 scanner. The instruction manual leaves LOTS to be

desired. The radio was used when I got it, so it has a bunch of [useless to me] frequencies stored in memory.

My question: does anyone know how to clear ALL the memories? No jumper I could find inside the rig, and no "clear" button. The "manual" does not address this issue, much less many others.

Help, anyone?

mark@armstrong.edu

Date: Mon, 15 Mar 1993 11:06:05 GMT
From: usc!howland.reston.ans.net!newsserver.jvnc.net!gmd.de!
henne%fit.gmd.dbp.de@network.UCSD.EDU
Subject: APT-Sats: Status MAR 13, 1993
To: info-hams@ucsd.edu

Observed at station 50.7 NLat, 7.1 ELon, MAR 13, 1993

NOAA-9:   APT 137.62 On
NOAA-10:   APT 137.50 *OFF*
NOAA-11:   APT 137.62 On
NOAA-12:   APT 137.50 On
Meteor 3-3: APT 137.85 On
Meteor 3-4: APT 137.30 On

NOAA-10 is near NOAA-12 and switched off to avoid
VHF-conflicts. Meteor 3-4 passes descending on
early morning and ascending on evening. Meteor 3-3
transmits good vis images descending on afternoon,
the former problems with brightness-fluctuations
seem to have decreased substantially.

|Peter Henne (henne@fit.gmd.dbp.de) |
|German Nat.Research Center.f.Comp.Science |
|D-5205 St.AUGUSTIN 1 |
|Fed.Rep. of Germany |

Date: Sun, 14 Mar 93 14:45:52 EST
From: uunet.ca!gtm-inc!inglisc@uunet.uu.net
Subject: FT-101EX For Sale
To: info-hams@ucsd.edu

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 1 FT-101EX for sale excellent shape and in good running operation.
 Asking $500.00
/e


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Kingston, Ontario                   VE3 UXN                      QSL
K7M 8H3                    Kingston Ham - Radio BBS
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-


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Date: Sun, 14 Mar 93 16:05:51 EST
From: phsbbs!n2gj@princeton.edu
Subject: Ham Radio Outlet Incident
To: info-hams@ucsd.edu

(This is an ongoing thread, prompted by someone's bad experience with a
vendor of ham equipment, HRO)

I would like to stick my two cents in:  I have dealt with the HRO store
in Woodbridge, VA (even before it was HRO, as EGE) and have found that
Curtis (WB4KZL) and his staff are polite, helpful and knowledgeable.

Last week I called to ask for info on the Diamond dual-band mag-mount
antennas.  The person I spoke with spent as much time as I needed, and
explained all the various options they offer.  He matched my needs with
the combination of mount and antenna I would require.  He took my order
efficiently and carefully.  That was a Friday.  I got the antenna on
Monday, much to my surprise for such fast UPS normal service!

The antenna, by the way, is great, requiring (even recommending against)
any user adjustments!  It looks fine, sticks like glue, and comes with
heavy-duty RG-8X style coax!  It also works far better than my aging
Larsen 5/8 wave mag-mount on 2 meter FM.

My point is that in any given population (even the population of all ham
radio vendors) the normal distribution will turn up a couple of turkeys.
That's human nature, folks...there's probably a lot fewer idiots selling
radios than using them, IMHO!  Best 73 to all....

Gerry


Gerald J. Jurrens N2GJ  | Black holes are where God divided by zero!
Mathtech/Box 147        | Internet : n2gj@phsbbs.princeton.nj.us
Kingston, NJ 08528-0147 | Packet   : N2GJ@KB1BD.NJ.USA.NOAM
(609) 520-3847 office   | GEnie    : G.JURRENS
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n2gj@phsbbs.princeton.nj.us (Gerry Jurrens) sez:

>>dbraun@cad636.intel.com (Doug Braun) writes:

>>>> What is an "iambic" keyer for CW? What relation does it
>>>> have, if any, to classical poetry?

                (main answer deleted)

>>It doesn't have much to do with "classical poetry" but some would argue
>>that Morse code, sent properly, can be poetry to some ears!

Iambic meter is alternation of short and long syllables, so it
actually has everything to do with classical poetry.

I dunno about poetry, being an uneducated science type, but perhaps
"The lowing herd winds slowly o'er the lea, the curfew sounds the
knell of parting day, the ploughman homeward plods his weary way,
and leaves the world to darkness and to me" is an example? It doesn't
sound quite like a CQ, but this was the best example I could think of
from my vast store of 3 'pomes'. Poetry flames cheerfully ignored.

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu

I just wanted to thank everyone for their responses regarding my posting for
KA9Q's TCP/IP source code.   The result was that the FTP site ucsd.edu
was the official site for this software. Also, a copy of the source can

also be found at world.std.com (192.74.137.5) in /pub/hamradio/pc (the World
hamradio FTP area is maintained by the Boston Amateur Radio Club).

Again, thank you all for your help.

===
| Scott Ehrlich   Internet: wy1z@splinter.coe.northeastern.edu |
| Amateur Radio: wy1z   Packet Radio: wy1z@k1ugm.ma.usa.na
         |
===

Date: Mon, 15 Mar 1993 07:24:20 GMT
From: sdd.hp.com!zaphod.mps.ohio-state.edu!wupost!tacom-emh1.army.mil!msdos-ann-
request@network.UCSD.EDU
Subject: KMTRM120.ZIP - KAMterm: Host Mode prog. for Kantronics TNCs
To: info-hams@ucsd.edu

I have uploaded to WSMR-SIMTEL20.Army.Mil and OAK.Oakland.Edu:

pd1:<msdos.packet>
KMTRM120.ZIP   KAMterm: Host Mode prog. for Kantronics TNCs

KAMterm is a Host Mode terminal program for Kantronics TNCs.

This release includes several enhancements and bug-fixes. Among the
enhancements, there is now a full configuration program, which allows
you to configure KAMterm without having to work with the ASCII config
file (you can still configure KAMterm via the ASCII file if, like me,
you desire to do so). Another major enhancement is full support for
PacTOR functionality (KAM only).

See the history file for other changes, fixes, etc.

KAMterm's major features include:

   *) separate windows (each full screen) for TNC commands, monitor
      output, and each active stream

   *) when capturing screen output to a file, KAMterm keeps track of
      who said what and indicates this in the file

   *) startup/exit TNC configuration files (optional)

   *) special ``priority window'' for keeping an eye on one stream

while working in another (e.g., watching a DX cluster, etc.)

   *) KAM ONLY: special AMTOR window which displays the XMITECHO output
      (shows the progress of transmitting chars on AMTOR)

   *) built in QSO logger (rather crude) with the ability to configure
      KAMterm to call an external logger program instead

   *) all the normal features you'd expect, like scrollback buffers,
      programmable function keys, shell out to dos, etc.

kmtrm120.zip has replaced kmtrm110.zip, which was uploaded to SIMTEL20
in December 1992.

73s es cul, de n5ial/4
jim
- -
INTERNET: jim@n5ial.mythical.com | j.graham@ieee.org   ICBM: 30.23N 86.32W
AMATEUR RADIO: n5ial@w4zbb (Ft. Walton Beach, FL)   AMTOR SELCAL: NIAL

Date: Sun, 14 Mar 1993 19:19:13 GMT
From: usc!wupost!spool.mu.edu!mixcom.com!kevin.jessup@network.UCSD.EDU
Subject: License delays (another data point)
To: info-hams@ucsd.edu

Well, I complained a week ago (on the net) that it was taking to long!
This Saturday it arrived! Eight weeks (to the day) since I took the
technician test.

73! Kevin, N9SQB

--
Kevin Jessup, kevin.jessup@mixcom.mixcom.com

        "Friends don't let friends run DOS."
                        -- Microware

Date: Sun, 14 Mar 93 15:59:38 EST
From: phsbbs!n2gj@princeton.edu
Subject: Newbie question: what's iambic?
To: info-hams@ucsd.edu

In rec.radio.misc -- Post: 18395 of 18410
dbraun@cad636.intel.com (Doug Braun) writes:

>> What is an "iambic" keyer for CW? What relation does it
>> have, if any, to classical poetry?

The way an "iambic" keyer works, one paddle sends out a continuous stream
of dots, the other a continuous stream of dashes if they are held down
one at a time. If you squeeze both of them together and hold them
together, you will hear the unmistakable sound of iambic meter (dah-di-
dah-di-dah-di-dah ... etc.)

You may well ask "why?" Well, I think it's because many of the Morse
characters are somewhat iambic combinations; for example:

C = dah-di-dah-dit
R = di-dah-dit
K = Dah-di-dah

Plus many others. When you learn to use an iambic keyer properly, you
find that you can form many of these characters by squeezing the paddles
together, either starting the squeezing action with the dot or dash key,
depending on what you want to send.

It doesn't have much to do with "classical poetry" but some would argue
that Morse code, sent properly, can be poetry to some ears! Best 73,

Gerry

Gerald J. Jurrens N2GJ | Black holes are where God divided by zero!
Mathtech/Box 147 | Internet : n2gj@phsbbs.princeton.nj.us
Kingston, NJ 08528-0147 | Packet   : N2GJ@KB1BD.NJ.USA.NOAM
(609) 520-3847 office | GEnie   : G.JURRENS

Date: Sun, 14 Mar 1993 23:23:38 GMT
From: wri!spider.wri.com!pea@uunet.uu.net
Subject: QRP Groups
To: info-hams@ucsd.edu

Does anyone know of any QRP groups on Internet? I would
appreciate any pointers I could get.

Thanks -

Date: 15 Mar 93 00:18:46 GMT

From: usc!howland.reston.ans.net!spool.mu.edu!olivea!sgigate!odin!
chuck.dallas.sgi.com!adams@network.UCSD.EDU
Subject: QRP Groups
To: info-hams@ucsd.edu

In article <pea.732151418@spider.wri.com>, pea@spider.wri.com (Bruce Pea) writes:
|> Does anyone know of any QRP groups on Internet? I would
|> appreciate any pointers I could get.
|>
|> Thanks -

Bruce,

i think that this question has come up on the net before. don't
remember seeing any followup, thus i will volunteer to do the
following:

1. all the QRPers out there in net land, send me the following about
    yourself

NAME:
CALL:
email address:
RIG(s): <make this short- like HB 4W 30mtrs or TenTec 515 with dipole>
QRP Favorites: <building, operating, backpacking, ... >
COMMENTS: <like local groups who get together, newsletters, ... >

i'll try to compress in some form for consumption. maybe like

NAME   CALL   email   RIG   COMMENTS

Chuck Adams K5FO   adams@sgi.com OHR Spirit 40mtrs wid 80mtr long wire
                                   2w out   homebrewing and kit bldr

i'll sum these up and return the list to all who respond.
someone else can set up an ftp site for related info. i'm behind a
firewall here.

72 de k5fo chuck   dit   dit

Date: Sun, 14 Mar 93 18:23:49 PST
From: pa.dec.com!mast.enet.dec.com!reisert@decwrl.dec.com
Subject: QSL Help Needed
To: info-hams@ucsd.edu

I need help with the following QSLs:

```
     AH8AF
     FP8HL - need addr FP5HL
     GD0PWW
     GD0SLY
     HR1RMG
     JA7UVJ
     LU1VV
     OH0MRR
     R6Y
     T32AF - need addr JA1VNG
     TU2CI
     TU2JL
     UC8A
     UD6DF
     V2/VE3BW - need addr VE3BW
     VP8GAV - need addr GM0LVI
     XA5T - need addr XE2KB
     YL1ZR
     YL1ZW
     YS1EJ
```

Thanks - Jim AD1C

Date: 15 Mar 93 07:52:53 GMT
From: news-mail-gateway@ucsd.edu
Subject: QUICK.. send me your TH78 mods
To: info-hams@ucsd.edu

   Hello for near last time,

 As i change job on ten days, i will not have Internet acces after...
 that's worry me.

 If you have good mods for TH78, please send them to me.

 Many thanks to you.

 Frederic   FC1JSO@stna7.stna.dgac.fr

Date: 14 Mar 93 22:02:28 GMT
From: usc!howland.reston.ans.net!agate!doc.ic.ac.uk!uknet!brunel!
ed92mdw@network.UCSD.EDU
Subject: Slow scan TV on a Commodore 64

To: info-hams@ucsd.edu

Could anyone provide me with some information on where I could get a slow scan
transmission and receiver program for the
Commodore 64 computer - and if it is on the internet can it be got via anonymous
FTP?

Thanks

Matt Wilson.

ed92mdw@brunel.ac.uk   "..Life is grand.."

Date: Mon, 15 Mar 1993 02:24:14 GMT
From: gsm001!gsm001.mendelson.com!gsmlrn@uunet.uu.net
Subject: TH-26AT vs. HTX-202 recommendations
To: info-hams@ucsd.edu

In article <1993Mar14.170940.14670@bcars6a8.bnr.ca> sami@bcarh13d.bnr.ca (Sami
Boulos) writes:
>I'm considering either the TH-26AT or HTX-202 HTs. I'd appreciate
>the pros/cons of each from owners of these. Thanks.

I recently purchased an HTX-202. I am using it in recevive mode only at the
moment as I am waiting for my license to arrive. It is well built, well
designed and as far as I can tell (by having a licensed ham test it for me)
it works well and sounds good.

It has a "transmit inhibit" feature just for people like me.

The radio comes with a nicad pack that will run the reciver for about
20 hours in normal mode or 30 hours in "sleep" mode. It will run the
transmitter for about 1 hour in low power (1 watt) and less in high power.
High power is 2.5 watts from the battery back, and varies with input voltage
up to 5 watts with 13.8vdc. The radio also comes with an alkline battery pack
(6 AA batts) which will give you slighlty about the same usage of the nicad
on high power (but it will be at about 3 watts) or about 30% more at low power.

The battery mounts on METAL rails and looks pretty sturdy. It also comes
a lanyard (hand strap) and belt clip. It has 12 memories, 3 priority memories
and a "call" channel. You can scan the memories, scan via the vfo or
scan just the priority channels. You can also set it to scan the call channel
and look for a DTMF tone sequence. It also has ctss and DTMF encode.

Each channel can be programed to use a different repeter offset or ctss tone.

I have been using it on the train home to monitor one of the local repeaters
and I can hear fine through the window. (Oh, if only I could try answering
back.)

The best thing about the radio is the "Tandy Service Plan". For $40 extra
when you buy the radio they will sell you a 5 year service plan. For 5 years
they will repair or replace the radio (INCLUDING THE NICAD BATTERY) if it
fails for any reason inlcuding physical damage. Seems like a good deal to me.

The only con I can see is the rubber cover that keeps dirt and moisture
out of the power and mic/earphone jacks is flimsy and does not fit well.

Geoff.

--
Geoffrey S. Mendelson   Passed Technician test!
(215) 242-8712   (Ham Radio)   3/4/93
gsm@mendelson.com   or uunet!gsm001!gsm

Date: Sat, 13 Mar 93 10:43:47 CST
From: ddsw1!gagme!precipice!jjw@uunet.uu.net
Subject: When is the Dayton Hamvention?
To: info-hams@ucsd.edu

ring@kelvin.jpl.nasa.gov (Warren Ring) writes:

> When is the Dayton Hamvention?

April 23, 24 and 25.

> How much is registration?

$14 at the door, plus (usually) around $5 per day for parking

> Is there info (like a schedule of sessions) I can get someplace?

Probably, but I don't have the schedule.

> Warren Ring / AB6QE --- "Why is there air?" - Bill Cosby

John Welch N9JZW -->jjw@precipice.chi.il.us

End of Info-Hams Digest V93 #320

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